Based on: IEC 60502 - UNE 21123-2

Top Cable

LOW VOLTAGE 0,6/1kV

POWERHARD F

RVFV-K & VVFV-K

Protected power transmission.

DESIGN

Conductor

Electrolytic copper, class 5, based on EN 60228

Insulation

XLPE for RVFV or PVC for VVFV. The standard identification is the following

1 x	natural
2 x	Blue + Brown
3 G	Blue + Brown + Yellow/green
3 x	Brown + Black + Grey
3 x + 1 x	Brown + Black + Grey+ Blue (reduced cross section)
4 G	Brown + Black + Grey + Yellow/green
4 x	Brown + Black + Grey + Blue
5 G	Brown + Black + Grey + Yellow/green + Blue
6 G or more	Black numbered + Yellow/green.

Armour bedding

PVC.

Armour

Double steel or aluminium tape armour. Aluminium armour is used in single-core cables to avoid parasite currents that may overheat the cable. Steel type is used in the multi-core cables.

Outer sheath

PVC, black colour.

APPLICATIONS

Due to its design, this cable is especially suitable for fixed installations that may be subject to mechanical aggression. It is highly recommended for use in installations in warehouses, production plants and agricultural facilities where the presence of rodents could imply a threat to the cable. At the same time, its use is recommended for street lighting installations.

CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius: 10 x cable diameter
- Outdor installation: permanent
- Minimum service temperature: -40ºC (Fixed and protected installation)
- Meter by meter marking
- Water resistance AD7 immersion
- Maximum service temperature 90ºC/70ºC
- Flame non-propagation
- Chemical & oil resistance: good
- Maximum short-circuit temperature: 250ºC /160ºC (max. 5 s)
- Impact resistance: AG4 high impact

INSTALLATION CONDITIONS

- Industrial use
- Damp environment
- Open air
- Rodent proof
- Buried
- In conduit

National norm / European: EN 60332-1 International norm: IEC 60332-1